Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_ Per.: \_\_\_\_\_\_\_\_

**What’s the deal with midpoints? Book Project**

**Requirements:**

1.Title Page – The title page must refer to midpoints in some way.

2. Table of Contents – The table of contents must list at least four chapters:

* Chapter 1 – defining and illustrating a midpoint
* Chapter 2 – solving problems given a midpoint
* Chapter 3 – finding the midpoint with a perpendicular bisector
* Chapter 4 – finding the midpoint in coordinate geometry

3. Chapter 1

* definition of a midpoint
* example of a line segment with midpoint labeled
* additional information about the relationship between the segment and its parts

4. Chapter 2

* example of a problem you can solving using your knowledge of midpoint (use 2.5 Part II in packet!!)
* show your steps and explain your steps clearly

5. Chapter 3

* clear construction of a perpendicular bisector
* midpoint is labeled
* right angle labeled
* marking to show congruent segments

6. Chapter 4

* example of a problem where you find the midpoint of a line segment, given the two endpoints of the segment on a coordinate plane
* explain your steps